



2621

**PATENT**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 10/005,548

Filed: October 26, 2001

**Inventor(s):**

Siming Lin, Dinesh Nair and  
Darren R. Schmidt

Title: LOCATING REGIONS IN  
A TARGET IMAGE  
USING COLOR MATCH,  
LUMINANCE PATTERN  
MATCH AND HILL-  
CLIMBING TECHNIQUES

§ Examiner: Unknown  
§ Group/Art Unit: 2621  
§ Atty. Dkt. No: 5150-63900

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date indicated below.

Jeffrey C. Hood

QCR

5/4/2004

**Signature**

Date

## INFORMATION DISCLOSURE STATEMENT

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MAY 10 2004

## Technology Center 2600

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Applicant requests consideration of  the references listed on the attached Form PTO-1449 and/or  the additional information identified below in paragraph 3. A copy of each reference listed on the Form PTO-1449 is enclosed.

1. This Information Disclosure Statement is submitted:

a.  within 3 months of the filing date of a national application other than a continued prosecution application under § 1.53(d);  
 within 3 months of the date of entry of the national stage as set forth in § 1.491 in an International application;  
 before the mailing date of a first Office Action on the merits; or  
 before the mailing of a first Office Action after the filing of a request for continued examination under § 1.114.

b.  after the events of above paragraph 1a and prior to the mailing date of a final Office Action or Notice of Allowance, and thus:  the certification of paragraph 2 below is provided, or  a fee of \$180.00 is enclosed below.

c.  after the mailing date of a final Office Action or a Notice of Allowance and prior to payment of the issue fee, and thus: the certification of paragraph 2 below is provided and a fee of \$180.00 is enclosed below.

2. It is hereby certified:

that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or

that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in § 1.56 (c) more than three months prior to the filing of the Statement.

3.  Consideration of the following additional information (including any co-pending or abandoned U.S. applications, prior uses and/or sales, etc.) is requested:

4. For each non-English language reference listed on the attached Form PTO-1449:

reference is made to an English language translation submitted herewith, and/or

reference is made to a foreign patent office search report (in the English language) submitted herewith, and/or

reference is made to an English language translation of a foreign patent office search report submitted herewith, and/or

reference is made to the concise explanation contained in the specification of the present application at page(s) \_\_\_\_\_, and/or

reference is made to the concise explanation set forth below:

5.  Applicant also offers the following comments for the Examiner's consideration:

6.  Also enclosed is a copy of a foreign search report citing these references.

7.  The listed documents were brought to the attention of the Applicant(s) after payment of the issue fee in the captioned case. The documents were cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. Applicant(s) request this Information Disclosure Statement and attached Form PTO-1449 be placed in the file of the captioned application.

8.  Applicant(s) requests that the Information Disclosure Statement and attached Form PTO-1449 and references, which are being filed before the grant of the patent and pursuant to 37 C.F.R. § 1.97(i), be placed in the file of the captioned application.

Applicant does not believe that any fees are required relating to this Information Disclosure Statement. The Commissioner is hereby authorized to charge any fees which may be required or credit any overpayment to Meyertons, Hood, Kivlin, Kowert & Goetzel PC, Deposit Account No. 50-1505/5150-63900/JCH.

Respectfully submitted,



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Date: 5/4/2004

<b>Form PTO-1449</b> (modified) List of Patents and Publications For Applicant's Information Disclosure Statement (Use several sheets if necessary)	ATTY. DOCKET NO: 5150-62000	SERIAL NO: 10/005,548
	APPLICANT: Lin et al.	
	FILING DATE: October 26, 2001	

### U.S. PATENT DOCUMENTS

EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	B1	5,799,105	08/25/1998	Tao			
	B2	6,282,317	08/28/2001	Luo et al.			
	B3	6,229,921	05/08/2001	Wenzel et al.			
	B4	5,410,637	04/25/1995	Kern et al.			
	B5	5,085,325	02/04/1992	Jones et al.			MAY 10 2004
	B6	5,751,450	05/12/1998	Robinson			Technology Center 2600
	B7	5,652,881	07/29/1997	Takahashi et al.			
	B8	6,625,308	09/23/2003	Acharya et al.			
	B9	6,272,239	08/07/2001	Colla et al.			

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### FOREIGN PATENT DOCUMENTS

EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION. YES/NO
	B10	0 657 839 B1	02/20/2002	EP			

### OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	B11	K. Chen et al., "Similarity-Based Retrieved of Images Using Color Histograms", Proceedings of the SPIE, 26 January 1999, XP000983710 chapters 2, 3.
	B12	J.R. Smith et al., "Tools and Techniques for Color Image Retrieval", San Jose, Feb. 1-2, 1996, Bellingham, SPIE, US, Vol. 2670, 1 February 1996, pgs. 426-437, XPOOO642585, ISBN: 0-8194-2044-1
	B13	Vertan et al. "Embedding fuzzy logic in content based image retrieval" 19th International Conference of the North American Fuzzy Information Processing Society 2000, pp. 85-89, July, 2000.
	B14	Han et al., "Fuzzy color histogram: an efficient color feature for image indexing and retrieval," Proc. 2000 ICASSP IEEE, vol. 4, pages 2011-2014, June, 2000.

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent owner.